

## Manufacturing

The manufacturing domain was proposed by [1]

## Curriculum

## Trucks

It is an IPC5 domain. The original description is [here](#). Trucks is a logistics domain. The idea is to deliver packages into destination locations. Packages have to be transported by some shared resources (trucks), and certain packages have delivery deadlines. On top of that, constraints have to be satisfied in order to load a package onto a truck.

## Openstack

It is an IPC5 domain. The original description is [here](#). It is a scheduling problem. The idea is to ship orders. One order may contain certain types of products, and is ready for shipping when all products are produced. A certain type of product is only allowed to be produced when all the orders that contain the product is in an open stack, where the size of the open stack needs to be kept minimal, in order to save open time. All products are produced sequentially, through one shared machine. The idea is to schedule the production of products.

## References

[1] The Manufacturing Plant Domain. J. Benton, M. B. Do, and W. Ruml